FIG. 1

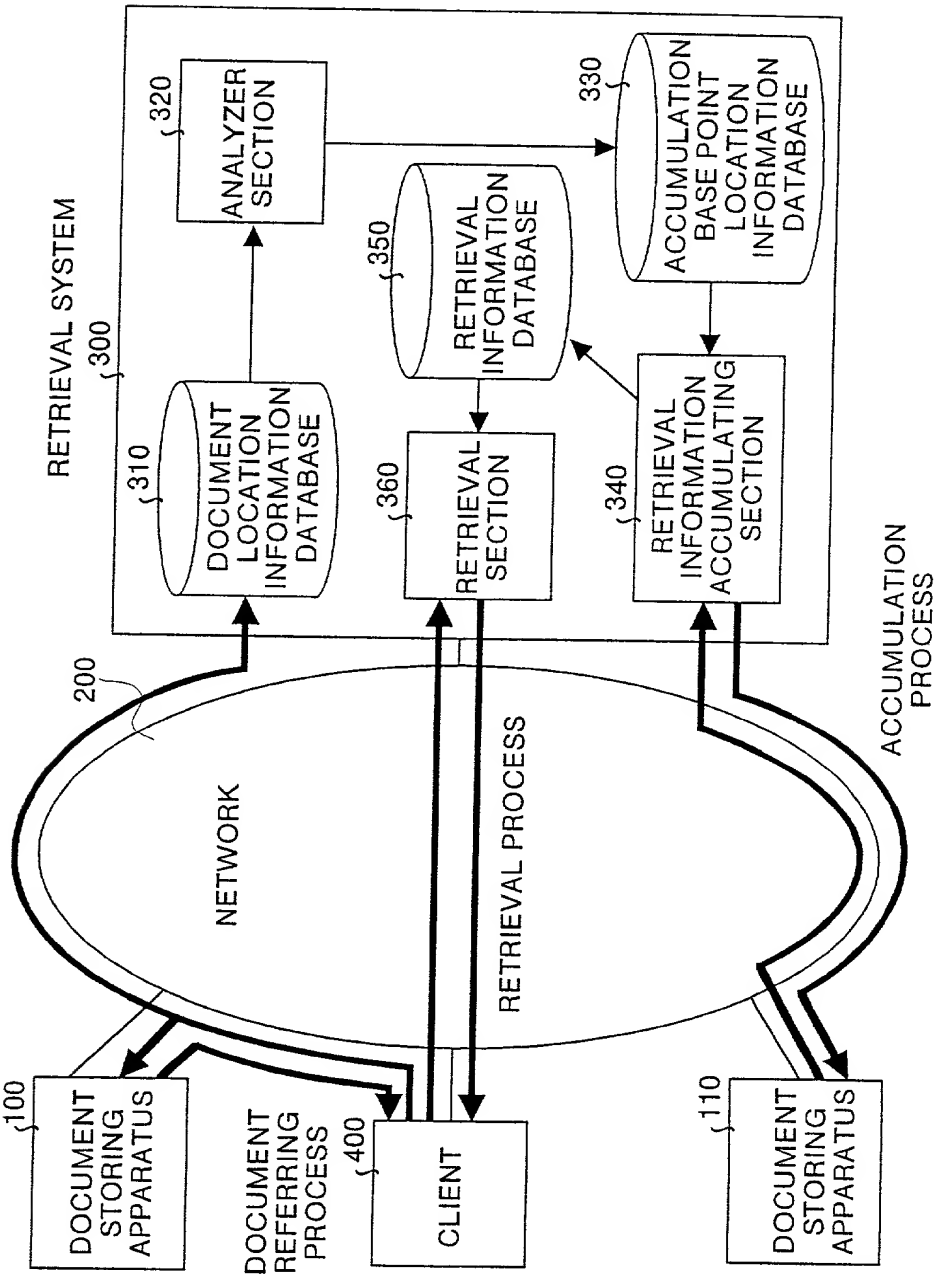

RETRIEVAL SYSTEM
300
ANALYZER SECTION
320
ACCUMULATION BASE POINT LOCATION INFORMATION DATABASE
330
RETRIEVAL INFORMATION DATABASE
350
DOCUMENT LOCATION INFORMATION DATABASE
310
RETRIEVAL SECTION
360
RETRIEVAL INFORMATION ACCUMULATING SECTION
340
200
NETWORK
RETRIEVAL PROCESS
ACCUMULATION PROCESS
DOCUMENT STORING APPARATUS
100
DOCUMENT REFERRING PROCESS
CLIENT
400
DOCUMENT STORING APPARATUS
110

FIG. 2

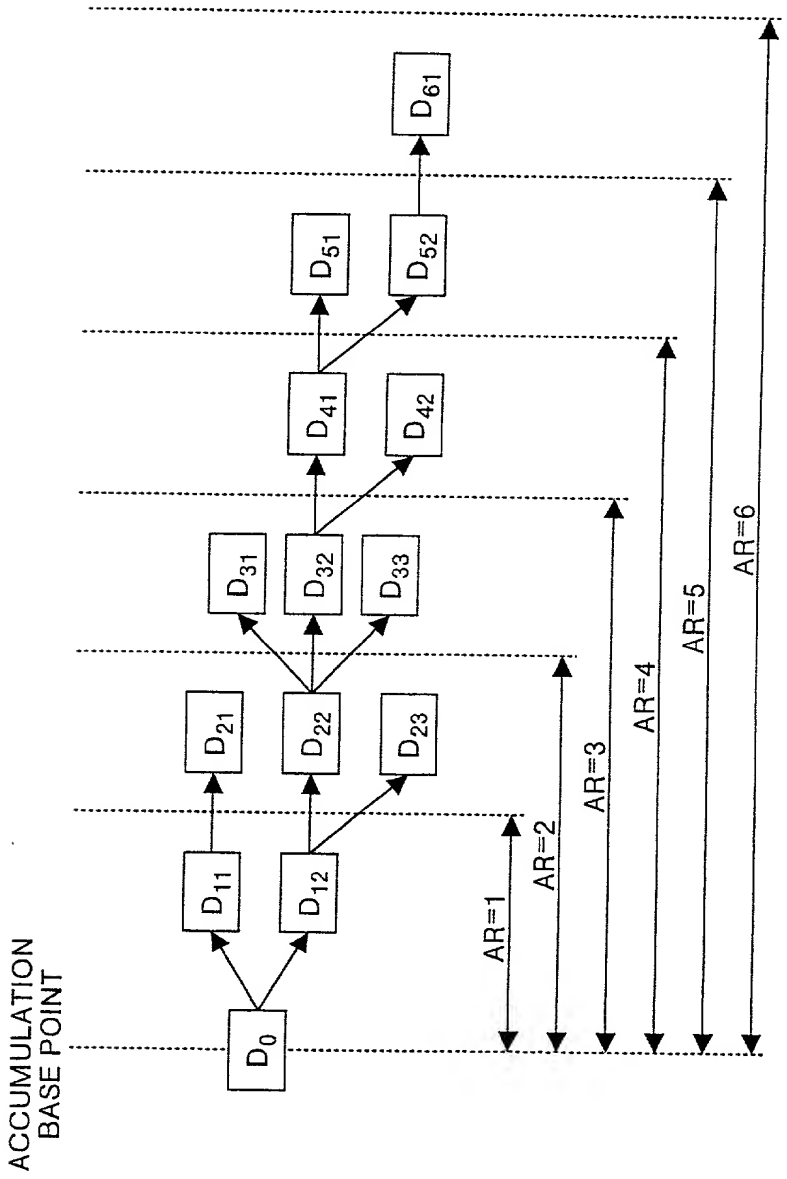

ACCUMULATION BASE POINT
D0
D11
D12
D21
D22
D23
D31
D32
D33
D41
D42
D51
D52
D61
AR=1
AR=2
AR=3
AR=4
AR=5
AR=6

FIG. 3

310

DATE	DOCUMENT LOCATION INFORMATION
1999/07/12	http://www.abcdefg.co.jp/hypertext/newinfo/
1999/07/13	http://www.is.abcdefg.co.jp/qa/qa1-10.html
	⋮
1999/07/29	http://www.is.abcdefg.co.jp/qa/qa1-10.html
	⋮
1999/08/07	http://www.ifos.se.abcdefg.co.jp/user/sekine/index.html

FIG. 4

330

ACCUMULATION BASE POINT LOCATION INFORMATION	ACCUMULATION RANGE
http://www.is.abcdefg.co.jp/qa/qa1-10.html	5
http://www.abcdefg.co.jp	5
http://www.ifos.se.abcdefg.co.jp/index.html	4
⋮	
http://www.is.abcdefg.co.jp/qa/link.html	2

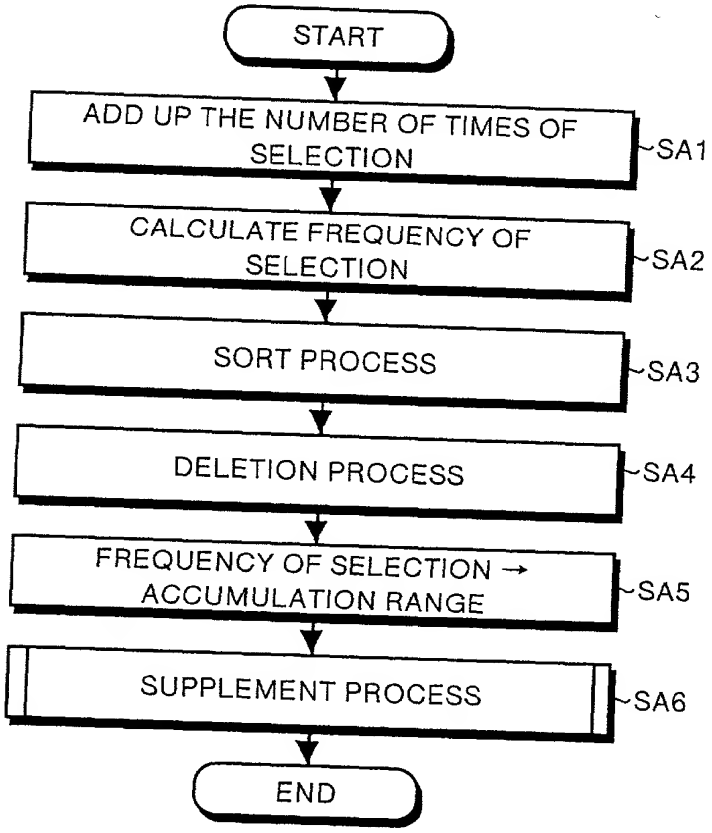
FIG. 5

350

INDEX	KEYWORD	URL	FIRST DISPLAYED INFORMATION	SECOND DISPLAYED INFORMATION
1	CHOCOA	http://www.abc	Abcdefg Ja	CHOCOA1.O W
2	Windows	http://www.mic	MICRO	PRODUCT INFORMATION
10000	CHOCOA	http://www.abc	FAQs about	CHOCOA Top

09624-1924.64885

FIG. 6



09/2824.1 - 1/2/2010

FIG.7

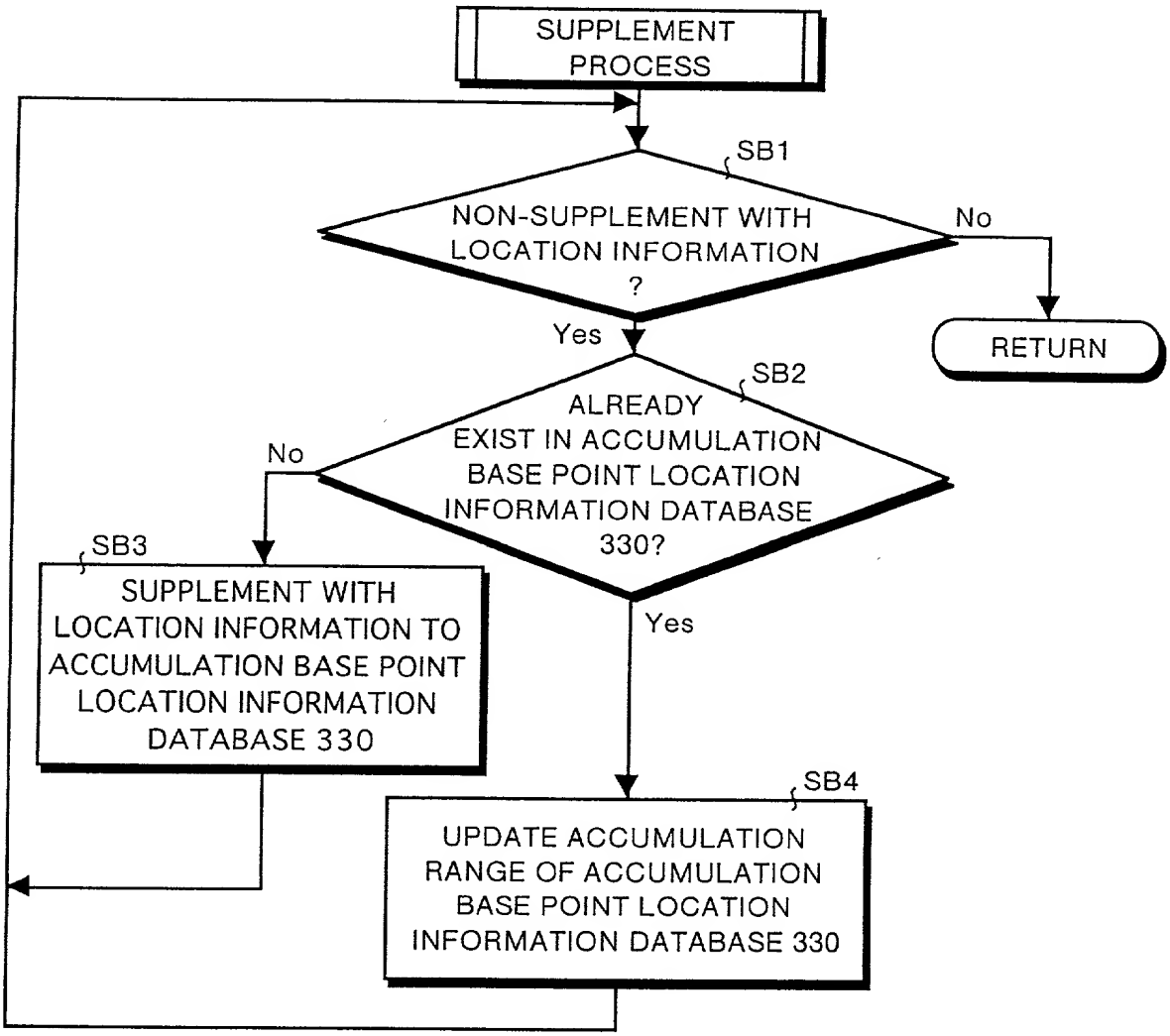


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FIG. 8

T_1

DOCUMENT LOCATION INFORMATION	NUMBER OF TIMES OF SELECTION (TIMES)
http://www.abcdefg.co.jp/hypertext/newinfo/	5
http://www.is.abcdefg.co.jp/qa/qa1-10.html	20
...	
http://www.ifos.se.abcdefg.co.jp/user/sekine/index.html	1
http://www.pfu.co.jp/hhk	3

FIG. 9

T_2

DOCUMENT LOCATION INFORMATION	FREQUENCY (%)
http://www.abcdefg.co.jp/hypertext/newinfo/	10
http://www.is.abcdefg.co.jp/qa/qa1-10.html	40
...	
http://www.ifos.se.abcdefg.co.jp/user/sekine/index.html	2
http://www.pfu.co.jp/hhk	6

FIG.10

T_3

PRIORITY ORDER	DOCUMENT LOCATION INFORMATION	FREQUENCY (%)
1	http://www.is.abcdefg.co.jp/qa/qa1-10.html	40
2	http://www.abcdefg.co.jp/hypertext/newinfo/	10
	...	
9	http://www.pfu.co.jp/hhk	6
10	http://www.ifos.se.abcdefg.co.jp/user/sekine/index.html	2

FIG.11

T_4

PRIORITY ORDER	DOCUMENT LOCATION INFORMATION	RANGE OF RECEIVING
1	http://www.is.abcdefg.co.jp/qa/qa1-10.html	5
2	http://www.abcdefg.co.jp/hypertext/newinfo/	1

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FIG.12

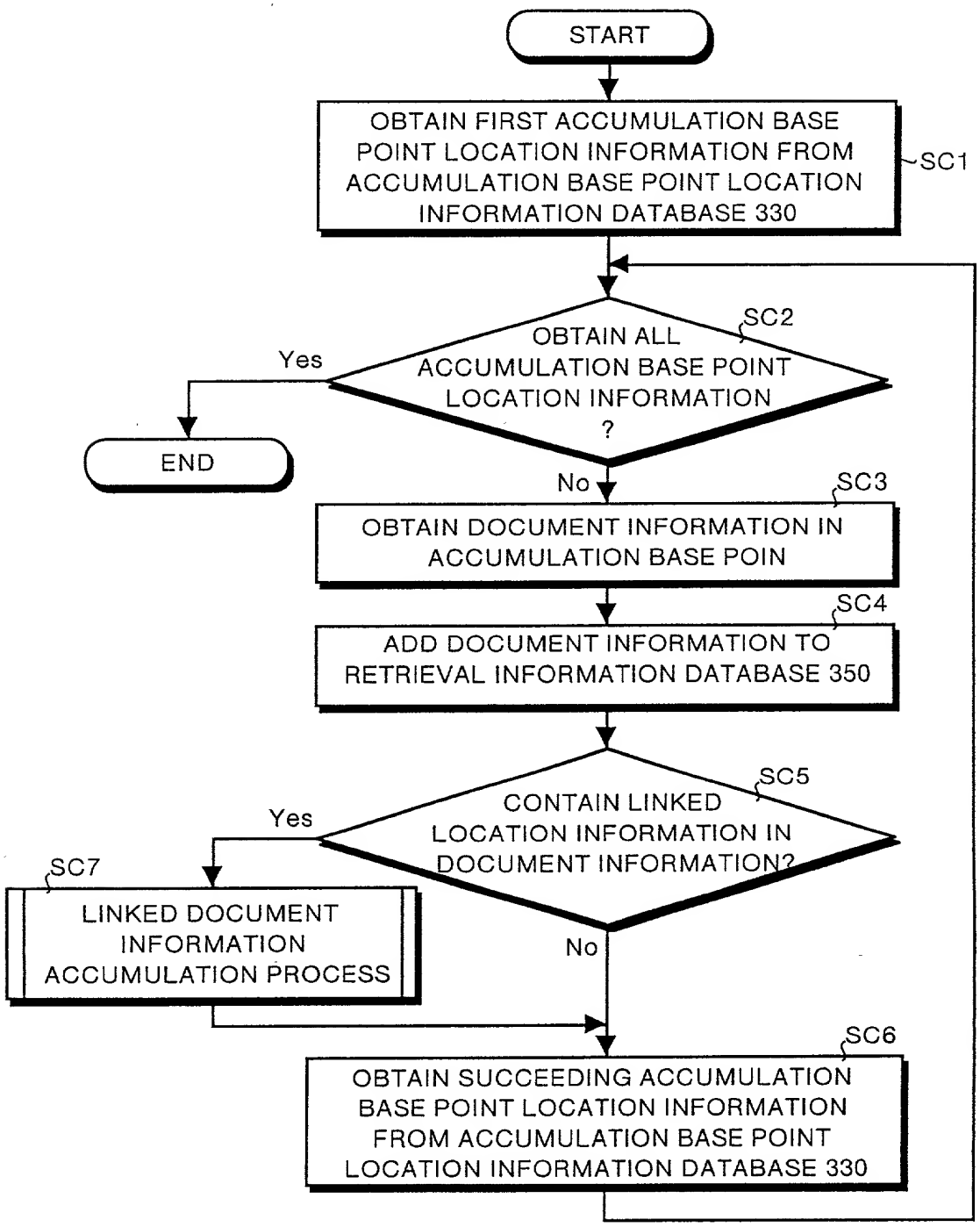
START
OBTAIN FIRST ACCUMULATION BASE POINT LOCATION INFORMATION FROM ACCUMULATION BASE POINT LOCATION INFORMATION DATABASE 330
SC1
OBTAIN ALL ACCUMULATION BASE POINT LOCATION INFORMATION ?
SC2
Yes
END
No
OBTAIN DOCUMENT INFORMATION IN ACCUMULATION BASE POIN
SC3
ADD DOCUMENT INFORMATION TO RETRIEVAL INFORMATION DATABASE 350
SC4
CONTAIN LINKED LOCATION INFORMATION IN DOCUMENT INFORMATION?
SC5
Yes
SC7
LINKED DOCUMENT INFORMATION ACCUMULATION PROCESS
No
OBTAIN SUCCEEDING ACCUMULATION BASE POINT LOCATION INFORMATION FROM ACCUMULATION BASE POINT LOCATION INFORMATION DATABASE 330
SC6

FIG.13

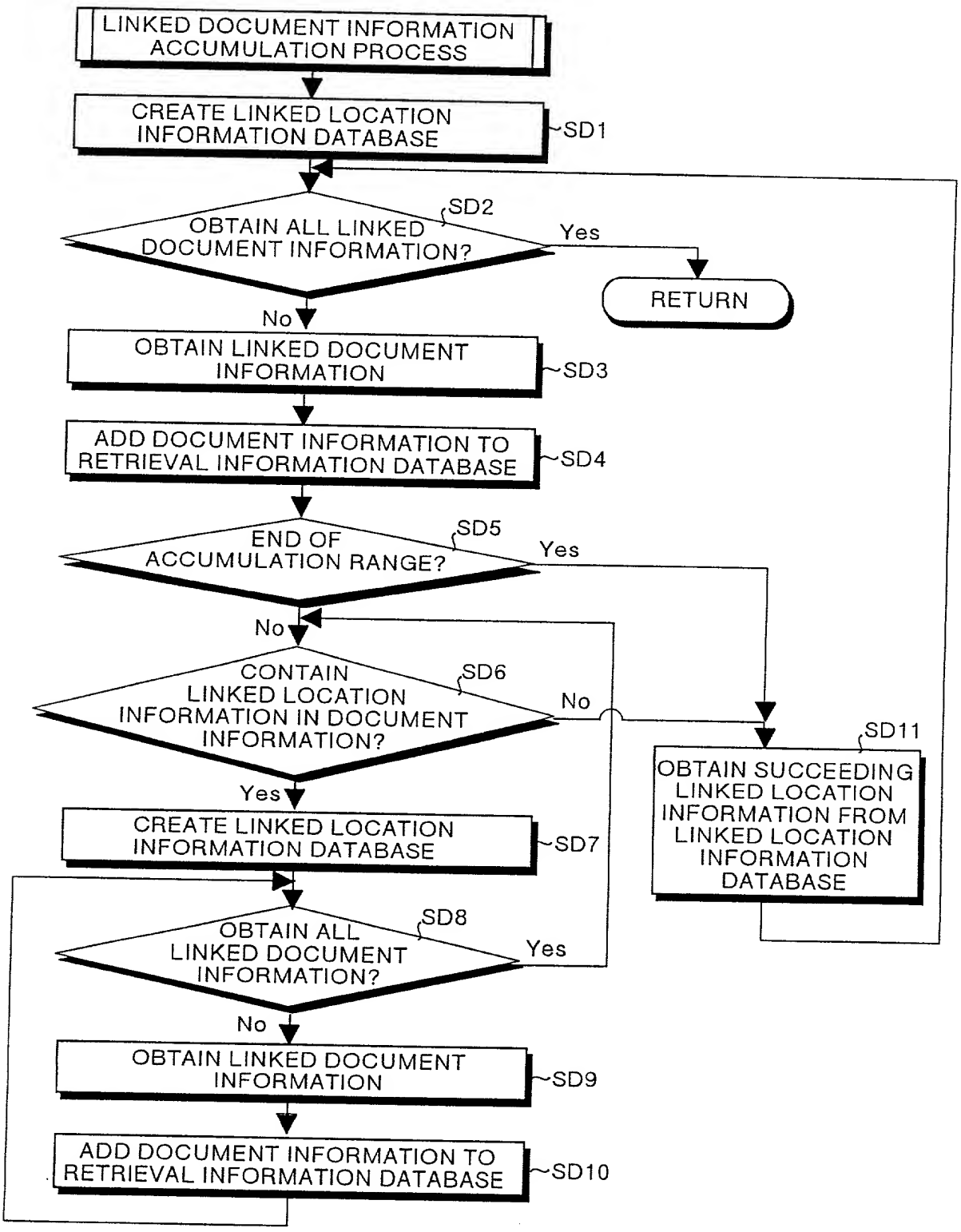
LINKED DOCUMENT INFORMATION ACCUMULATION PROCESS
CREATE LINKED LOCATION INFORMATION DATABASE
SD1
OBTAIN ALL LINKED DOCUMENT INFORMATION?
SD2
Yes
RETURN
No
OBTAIN LINKED DOCUMENT INFORMATION
SD3
ADD DOCUMENT INFORMATION TO RETRIEVAL INFORMATION DATABASE
SD4
END OF ACCUMULATION RANGE?
SD5
Yes
No
CONTAIN LINKED LOCATION INFORMATION IN DOCUMENT INFORMATION?
SD6
No
Yes
SD11
OBTAIN SUCCEEDING LINKED LOCATION INFORMATION FROM LINKED LOCATION INFORMATION DATABASE
CREATE LINKED LOCATION INFORMATION DATABASE
SD7
OBTAIN ALL LINKED DOCUMENT INFORMATION?
SD8
Yes
No
OBTAIN LINKED DOCUMENT INFORMATION
SD9
ADD DOCUMENT INFORMATION TO RETRIEVAL INFORMATION DATABASE
SD10

FIG.14

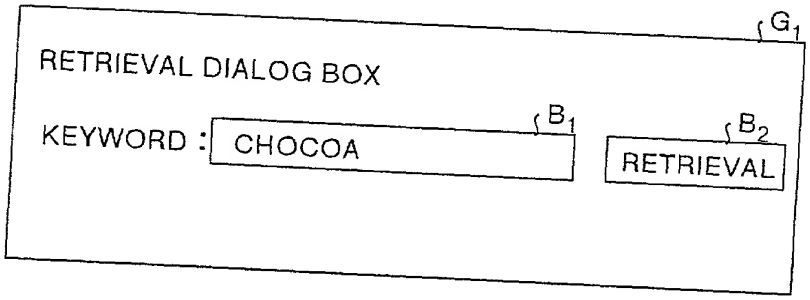

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FIG.15

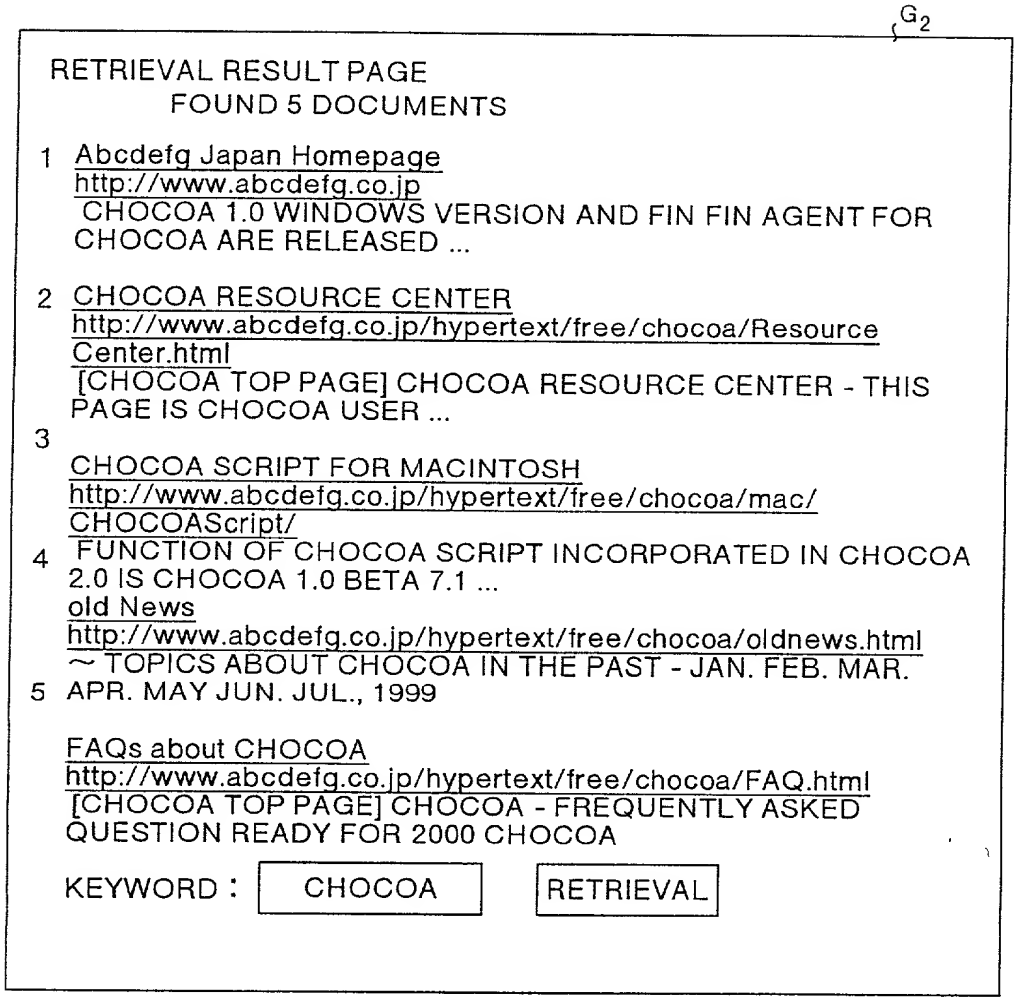
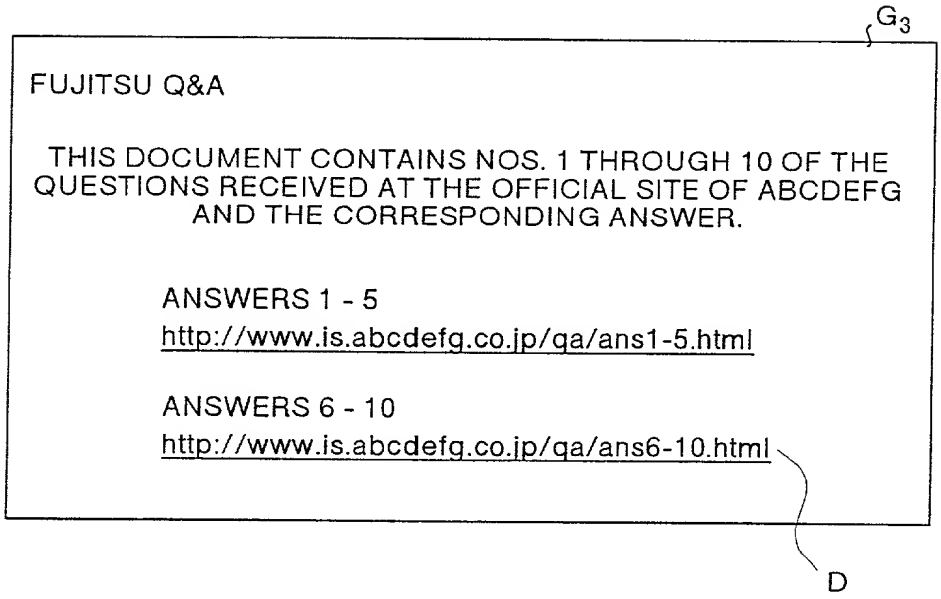
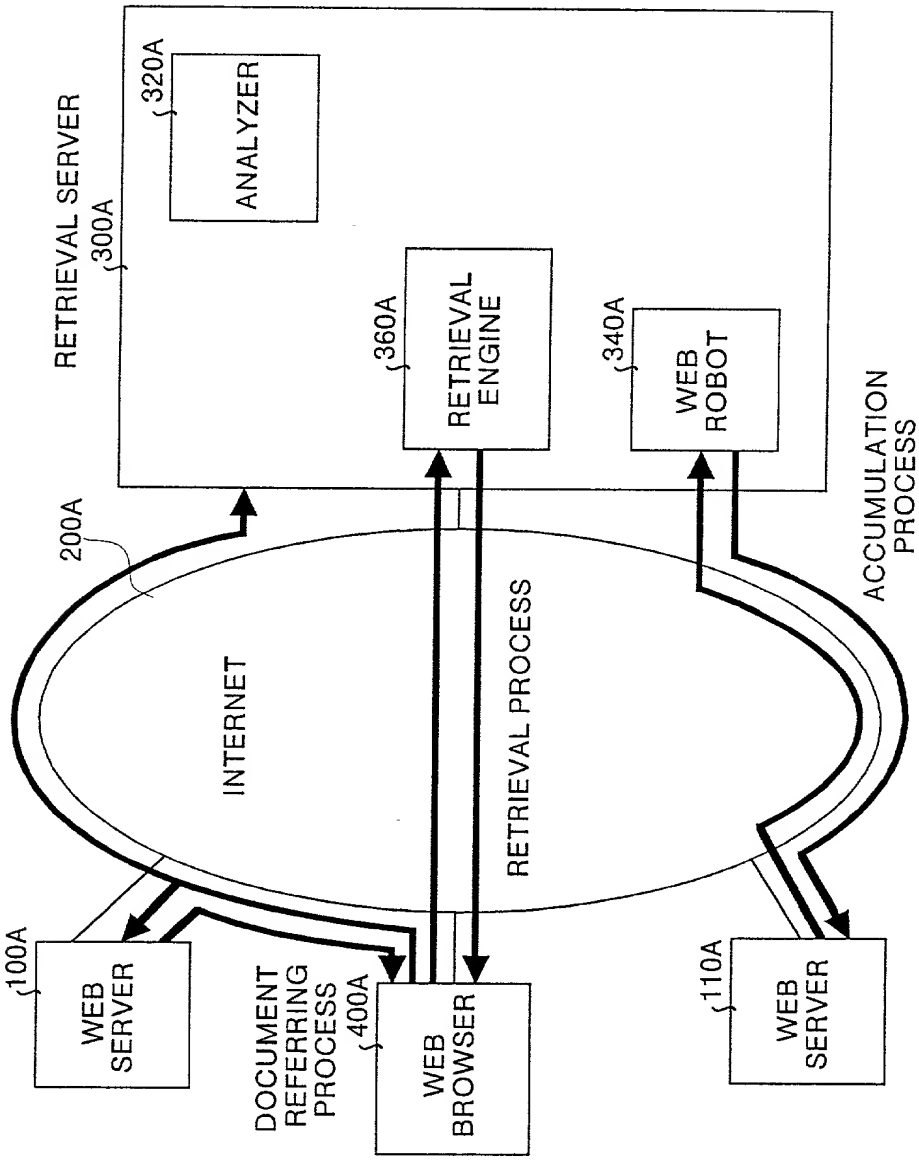

G2
RETRIEVAL RESULT PAGE
FOUND 5 DOCUMENTS
1 Abcdefg Japan Homepage
http://www.abcdefg.co.jp
CHOCOA 1.0 WINDOWS VERSION AND FIN FIN AGENT FOR CHOCOA ARE RELEASED ...
2 CHOCOA RESOURCE CENTER
http://www.abcdefg.co.jp/hypertext/free/chocoa/ResourceCenter.html
[CHOCOA TOP PAGE] CHOCOA RESOURCE CENTER - THIS PAGE IS CHOCOA USER ...
3 CHOCOA SCRIPT FOR MACINTOSH
http://www.abcdefg.co.jp/hypertext/free/chocoa/mac/CHOCOAScript/
4 FUNCTION OF CHOCOA SCRIPT INCORPORATED IN CHOCOA 2.0 IS CHOCOA 1.0 BETA 7.1 ...
old News
http://www.abcdefg.co.jp/hypertext/free/chocoa/oldnews.html
~ TOPICS ABOUT CHOCOA IN THE PAST - JAN. FEB. MAR.
5 APR. MAY JUN. JUL., 1999
FAQs about CHOCOA
http://www.abcdefg.co.jp/hypertext/free/chocoa/FAQ.html
[CHOCOA TOP PAGE] CHOCOA - FREQUENTLY ASKED QUESTION READY FOR 2000 CHOCOA
KEYWORD : CHOCOA RETRIEVAL

FIG.16



DOCKET NO. 1924.64885

FIG.17


RETRIEVAL SERVER
300A
320A
ANALYZER
360A
RETRIEVAL ENGINE
340A
WEB ROBOT
200A
INTERNET
RETRIEVAL PROCESS
ACCUMULATION PROCESS
100A
WEB SERVER
DOCUMENT REFERRING PROCESS
400A
WEB BROWSER
110A
WEB SERVER